BLASTP 2.2.10 [Oct-19-2004]

Reference:
Altschul, Stephen F., Thomas L. Madden, Alejandro A. Schäffer,
Jinghui Zhang, Zheng Zhang, Webb Miller, and David J. Lipman (1997),
"Gapped BLAST and PSI-BLAST: a new generation of protein database search
programs", Nucleic Acids Res. 25:3389-3402.

RID: 1103298200-11486-114210980150.BLASTQ1

Query=
            (17 letters)

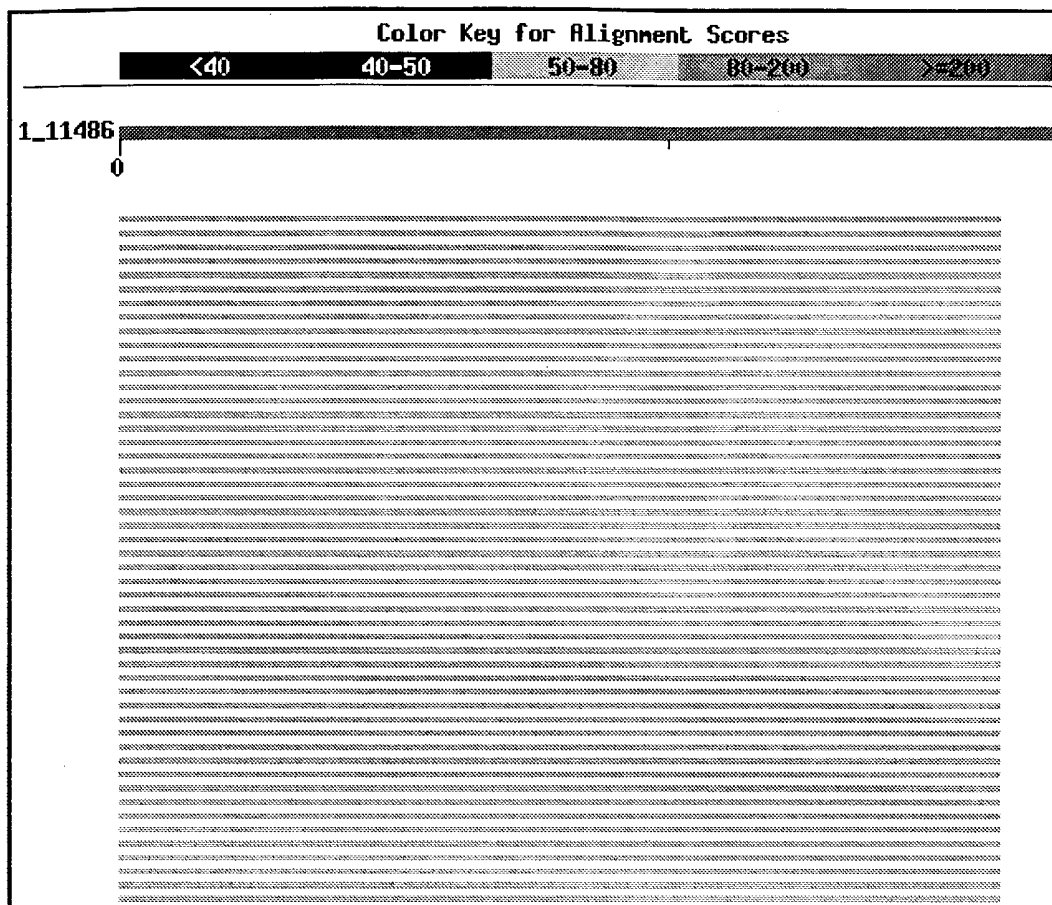**Database**: All non-redundant GenBank CDS
translations+PDB+SwissProt+PIR+PRF excluding environmental samples
            2,247,242 sequences; 758,669,765 total letters

If you have any problems or questions with the results of this search
please refer to the **BLAST FAQs**

Taxonomy reports

Distribution of 100 Blast Hits on the Query Sequence

Mouse-over to show defline and scores. Click to show alignments

Color Key for Alignment Scores

| <40 | 40-50 | 50-80 | 80-200 | >=200 |

1_11486

0

Sequences producing significant alignments:		Score (bits)	E Value
gi|2326455|emb|CAA72801.1|	polyprotein [Hepatitis C virus t...	60	5e-09
gi|44885938|dbj|BAD11961.1|	polyprotein [Hepatitis C virus ...	60	5e-09
gi|44885936|dbj|BAD11960.1|	polyprotein [Hepatitis C virus ...	60	5e-09
gi|974347|gb|AAB40038.1|	core protein [Hepatitis C virus ty...	60	5e-09
gi|4433100|dbj|BAA21058.1|	unnamed protein product [Hepatit...	60	5e-09
gi|4433099|dbj|BAA21057.1|	unnamed protein product [Hepatit...	60	5e-09
gi|532381|gb|AAA21037.1|	polyprotein	60	5e-09
gi|44885934|dbj|BAD11959.1|	polyprotein [Hepatitis C virus ...	57	5e-08
gi|3550763|dbj|BAA32666.1|	polyprotein [Hepatitis C virus]	56	9e-08
gi|1765887|dbj|BAA13625.1|	core, env and part of E2/NS1 [He...	56	9e-08
gi|1765885|dbj|BAA13624.1|	core, env and part of E2/NS1 [He...	56	9e-08
gi|1765881|dbj|BAA13622.1|	core, env and part of E2/NS1 [He...	56	9e-08
gi|1765873|dbj|BAA13618.1|	core, env and part of E2/NS1 [He...	56	9e-08
gi|600265|dbj|BAA13617.1|	core, env and part of E2/NS1 [Hep...	56	9e-08
gi|1066618|gb|AAC42193.1|	core protein	55	2e-07
gi|20146986|gb|AAM09923.1|	polyprotein [Hepatitis C virus]	55	2e-07
gi|20146974|gb|AAM09917.1|	polyprotein [Hepatitis C virus]	55	2e-07
gi|20146970|gb|AAM09915.1|	polyprotein [Hepatitis C virus]	55	2e-07
gi|20146968|gb|AAM09914.1|	polyprotein [Hepatitis C virus] ...	55	2e-07
gi|22135572|gb|AAM93266.1|	core protein [Hepatitis C virus]	55	2e-07
gi|22135570|gb|AAM93265.1|	core protein [Hepatitis C virus]	55	2e-07
gi|19744440|gb|AAL96493.1|	polyprotein [Hepatitis C virus]	55	2e-07
gi|44885956|dbj|BAD11970.1|	polyprotein [Hepatitis C virus ...	55	2e-07

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gi|1669626|dbj|BAA05983.1|   core protein [Hepatitis C virus]       55   2e-07
gi|1246377|dbj|BAA09976.1|   polyprotein [Hepatitis C virus]        55   2e-07
gi|1246371|dbj|BAA09974.1|   polyprotein [Hepatitis C virus]        55   2e-07
gi|1765879|dbj|BAA13621.1|   core, env and part of E2/NS1 [He...    55   2e-07
gi|1765877|dbj|BAA13620.1|   core, env and part of E2/NS1 [He...    55   2e-07
gi|1765875|dbj|BAA13619.1|   core, env and part of E2/NS1 [He...    55   2e-07
gi|50365966|gb|AAT76284.1|   polyprotein [Hepatitis C virus]        54   5e-07
gi|3283982|gb|AAC25417.1|    core protein [Hepatitis C virus]       54   5e-07
gi|45160566|gb|AAS55343.1|   core protein [Hepatitis C virus]       54   5e-07
gi|44885940|dbj|BAD11962.1|  polyprotein [Hepatitis C virus ...     53   9e-07
gi|52367249|gb|AAU45101.1|   core protein [Hepatitis C virus]       52   2e-06
gi|30841356|gb|AAP34656.1|   core protein [Hepatitis C virus]       51   3e-06
gi|20146962|gb|AAM09911.1|   polyprotein [Hepatitis C virus]        51   3e-06
gi|20146956|gb|AAM09908.1|   polyprotein [Hepatitis C virus]        51   3e-06
gi|23268513|gb|AAN16413.1|   polyprotein [Hepatitis C virus]        51   3e-06
gi|23268511|gb|AAN16412.1|   polyprotein [Hepatitis C virus]        51   3e-06
gi|30090044|gb|AAP21074.1|   capsid protein [Hepatitis C virus]     51   3e-06
gi|14486879|gb|AAK63316.1|   polyprotein [Hepatitis C virus] ...    51   3e-06
gi|14486815|gb|AAK63284.1|   polyprotein [Hepatitis C virus]        51   3e-06
gi|20159557|gb|AAM11979.1|   core protein [Hepatitis C virus]       51   3e-06
gi|46560634|gb|AAT00643.1|   polyprotein [Hepatitis C virus]        51   3e-06
gi|19879546|gb|AAL58626.1|   core protein [Hepatitis C virus]       51   3e-06
gi|19879470|gb|AAL50213.1|   polyprotein [Hepatitis C virus]        51   3e-06
gi|7650256|gb|AAF65959.1|    polyprotein [Hepatitis C virus]        51   3e-06
gi|443893|emb|CAA82603.1|    unnamed protein product [Hepatiti...   51   3e-06
gi|27531300|dbj|BAC54262.1|  poly protein [Hepatitis C virus...     51   3e-06
gi|21670901|dbj|BAC02460.1|  polyprotein [Hepatitis C virus ...     51   3e-06
gi|21670897|dbj|BAC02458.1|  polyprotein [Hepatitis C virus ...     51   3e-06
gi|45160528|gb|AAS55324.1|   core protein [Hepatitis C virus]       51   3e-06
gi|1930120|gb|AAB51539.1|    nucleocapsid protein [Hepatitis C...   51   3e-06
gi|1322340|gb|AAB00213.1|    core protein                          51   3e-06
gi|1181832|gb|AAA86907.1|    polyprotein                           51   3e-06
gi|40795743|gb|AAR91583.1|   core protein [Hepatitis C virus ...    51   3e-06
gi|532457|gb|AAA21075.1|     polyprotein                           51   3e-06
gi|329754|gb|AAA16311.1|     core protein                          51   3e-06
gi|51862061|gb|AAU11693.1|   core protein [Hepatitis C virus]       51   4e-06
gi|51862054|gb|AAU11692.1|   core protein [Hepatitis C virus]...    51   4e-06
gi|51861979|gb|AAU11683.1|   core protein [Hepatitis C virus]       51   4e-06
gi|51861941|gb|AAU11678.1|   core protein [Hepatitis C virus]       51   4e-06
gi|51861871|gb|AAU11669.1|   core protein [Hepatitis C virus]...    51   4e-06
gi|34494614|emb|CAE46587.1|  core protein [Hepatitis C virus...     51   4e-06
gi|38489510|gb|AAR21440.1|   polyprotein [Hepatitis C virus] ...    51   4e-06
gi|15529111|gb|AAK97744.1|   polyprotein [Hepatitis C virus]        51   4e-06
gi|11559469|dbj|BAB18814.1|  polyprotein [Hepatitis C virus]        51   4e-06
gi|11559463|dbj|BAB18811.1|  polyprotein [Hepatitis C virus]        51   4e-06
gi|11559451|dbj|BAB18805.1|  polyprotein [Hepatitis C virus]        51   4e-06
gi|11559449|dbj|BAB18804.1|  polyprotein [Hepatitis C virus]        51   4e-06
gi|11559447|dbj|BAB18803.1|  polyprotein [Hepatitis C virus]        51   4e-06
gi|11559441|dbj|BAB18800.1|  polyprotein [Hepatitis C virus]        51   4e-06
gi|1536992|gb|AAC55450.1|    core protein                          51   4e-06
gi|45160580|gb|AAS55350.1|   core protein [Hepatitis C virus]...    51   4e-06
gi|45160560|gb|AAS55340.1|   core protein [Hepatitis C virus]       51   4e-06
gi|45160408|gb|AAS55264.1|   core protein [Hepatitis C virus]       51   4e-06
gi|3098655|gb|AAC15732.1|    polyprotein [Hepatitis C virus]        51   4e-06
gi|3098644|gb|AAC15727.1|    polyprotein [Hepatitis C virus]        51   4e-06
gi|10880664|gb|AAG24333.1|   core protein [Hepatitis C virus]       51   4e-06
gi|913996|gb|AAB34375.1|     polyprotein [Hepatitis C virus]        51   4e-06
gi|77094|pir||S18031   genome polyprotein - hepatitis C virus...    51   4e-06
gi|540813|pir||PN0677  hypothetical protein 787 - hepatitis ...     51   4e-06
gi|42411917|gb|AAS15483.1|   core protein [Hepatitis C virus]       51   4e-06
```

```
gi|42411861|gb|AAS15455.1|   core protein [Hepatitis C virus]...    51   4e-06
gi|42411853|gb|AAS15451.1|   core protein [Hepatitis C virus]       51   4e-06
gi|42411777|gb|AAS15413.1|   core protein [Hepatitis C virus]       51   4e-06
gi|42411775|gb|AAS15412.1|   core protein [Hepatitis C virus]       51   4e-06
gi|42411773|gb|AAS15411.1|   core protein [Hepatitis C virus]...    51   4e-06
gi|42411769|gb|AAS15409.1|   core protein [Hepatitis C virus]       51   4e-06
gi|42411717|gb|AAS15383.1|   core protein [Hepatitis C virus]       51   4e-06
gi|42411609|gb|AAS15329.1|   core protein [Hepatitis C virus]       51   4e-06
gi|42411607|gb|AAS15328.1|   core protein [Hepatitis C virus]       51   4e-06
gi|42411599|gb|AAS15324.1|   core protein [Hepatitis C virus]       51   4e-06
gi|42411597|gb|AAS15323.1|   core protein [Hepatitis C virus]       51   4e-06
gi|42411595|gb|AAS15322.1|   core protein [Hepatitis C virus]       51   4e-06
gi|42411341|gb|AAS15195.1|   core protein [Hepatitis C virus]...    51   4e-06
gi|42411307|gb|AAS15178.1|   core protein [Hepatitis C virus]       51   4e-06
gi|42411301|gb|AAS15175.1|   core protein [Hepatitis C virus]       51   4e-06
gi|42411167|gb|AAS15108.1|   core protein [Hepatitis C virus]       51   4e-06
gi|42411157|gb|AAS15103.1|   core protein [Hepatitis C virus]       51   4e-06
```

Alignments

[ ] >gi|2326455|emb|CAA72801.1| polyprotein [Hepatitis C virus type 6a]
          Length = 3018

 Score = 60.4 bits (135), Expect = 5e-09
 Identities = 17/17 (100%), Positives = 17/17 (100%)

Query: 1   IPKARQPQGRHWAQPGY 17
           IPKARQPQGRHWAQPGY
Sbjct: 65 IPKARQPQGRHWAQPGY 81

[ ] >gi|44885938|dbj|BAD11961.1| polyprotein [Hepatitis C virus type 6a]
          Length = 117

 Score = 60.4 bits (135), Expect = 5e-09
 Identities = 17/17 (100%), Positives = 17/17 (100%)

Query: 1   IPKARQPQGRHWAQPGY 17
           IPKARQPQGRHWAQPGY
Sbjct: 65 IPKARQPQGRHWAQPGY 81

[ ] >gi|44885936|dbj|BAD11960.1| polyprotein [Hepatitis C virus type 6a]
    gi|44885932|dbj|BAD11958.1| polyprotein [Hepatitis C virus type 6a]
          Length = 117

 Score = 60.4 bits (135), Expect = 5e-09
 Identities = 17/17 (100%), Positives = 17/17 (100%)

Query: 1   IPKARQPQGRHWAQPGY 17
           IPKARQPQGRHWAQPGY
Sbjct: 65 IPKARQPQGRHWAQPGY 81

Get selected sequences | Select all | Deselect all

☐ >gi|974347|gb|AAB40038.1| core protein [Hepatitis C virus type 6]
          Length = 191

 Score = 60.4 bits (135), Expect = 5e-09
 Identities = 17/17 (100%), Positives = 17/17 (100%)

Query: 1   IPKARQPQGRHWAQPGY 17
           IPKARQPQGRHWAQPGY
Sbjct: 65 IPKARQPQGRHWAQPGY 81

☐ >gi|4433100|dbj|BAA21058.1| unnamed protein product [Hepatitis C virus]
          Length = 109

 Score = 60.4 bits (135), Expect = 5e-09
 Identities = 17/17 (100%), Positives = 17/17 (100%)

Query: 1   IPKARQPQGRHWAQPGY 17
           IPKARQPQGRHWAQPGY
Sbjct: 65 IPKARQPQGRHWAQPGY 81

☐ >gi|4433099|dbj|BAA21057.1| unnamed protein product [Hepatitis C virus]
          Length = 109

 Score = 60.4 bits (135), Expect = 5e-09
 Identities = 17/17 (100%), Positives = 17/17 (100%)

Query: 1   IPKARQPQGRHWAQPGY 17
           IPKARQPQGRHWAQPGY
Sbjct: 65 IPKARQPQGRHWAQPGY 81

☐ >gi|532381|gb|AAA21037.1| polyprotein
          Length = 191

 Score = 60.4 bits (135), Expect = 5e-09
 Identities = 17/17 (100%), Positives = 17/17 (100%)

Query: 1   IPKARQPQGRHWAQPGY 17
           IPKARQPQGRHWAQPGY
Sbjct: 65 IPKARQPQGRHWAQPGY 81

☐ >gi|44885934|dbj|BAD11959.1| polyprotein [Hepatitis C virus type 6a]
          Length = 117

 Score = 57.1 bits (127), Expect = 5e-08
 Identities = 16/17 (94%), Positives = 17/17 (100%)

Query: 1   IPKARQPQGRHWAQPGY 17

```
                    IPKARQPQG+HWAQPGY
Sbjct: 65  IPKARQPQGKHWAQPGY 81
```

☐ >gi|3550763|dbj|BAA32666.1| polyprotein [Hepatitis C virus]
          Length = 3016

 Score = 56.2 bits (125), Expect = 9e-08
 Identities = 16/17 (94%), Positives = 16/17 (94%)

```
Query: 1   IPKARQPQGRHWAQPGY 17
           IPKARQ QGRHWAQPGY
Sbjct: 65  IPKARQSQGRHWAQPGY 81
```

☐ >gi|1765887|dbj|BAA13625.1| core, env and part of E2/NS1 [Hepatitis C virus]
          Length = 414

 Score = 56.2 bits (125), Expect = 9e-08
 Identities = 16/17 (94%), Positives = 16/17 (94%)

```
Query: 1   IPKARQPQGRHWAQPGY 17
           IPKARQ QGRHWAQPGY
Sbjct: 65  IPKARQSQGRHWAQPGY 81
```

☐ >gi|1765885|dbj|BAA13624.1| core, env and part of E2/NS1 [Hepatitis C virus]
          Length = 414

 Score = 56.2 bits (125), Expect = 9e-08
 Identities = 16/17 (94%), Positives = 16/17 (94%)

```
Query: 1   IPKARQPQGRHWAQPGY 17
           IPKARQ QGRHWAQPGY
Sbjct: 65  IPKARQSQGRHWAQPGY 81
```

☐ >gi|1765881|dbj|BAA13622.1| core, env and part of E2/NS1 [Hepatitis C virus]
          Length = 414

 Score = 56.2 bits (125), Expect = 9e-08
 Identities = 16/17 (94%), Positives = 16/17 (94%)

```
Query: 1   IPKARQPQGRHWAQPGY 17
           IPKARQ QGRHWAQPGY
Sbjct: 65  IPKARQSQGRHWAQPGY 81
```

☐ >gi|1765873|dbj|BAA13618.1| core, env and part of E2/NS1 [Hepatitis C virus]
          Length = 414

 Score = 56.2 bits (125), Expect = 9e-08
 Identities = 16/17 (94%), Positives = 16/17 (94%)

```
Query: 1    IPKARQPQGRHWAQPGY 17
            IPKARQ QGRHWAQPGY
Sbjct: 65   IPKARQSQGRHWAQPGY 81
```

□ >gi|600265|dbj|BAA13617.1| core, env and part of E2/NS1 [Hepatitis C virus]
            Length = 414

Score = 56.2 bits (125), Expect = 9e-08
Identities = 16/17 (94%), Positives = 16/17 (94%)

```
Query: 1    IPKARQPQGRHWAQPGY 17
            IPKARQ QGRHWAQPGY
Sbjct: 65   IPKARQSQGRHWAQPGY 81
```

□ >gi|1066618|gb|AAC42193.1| core protein
            Length = 319

Score = 55.4 bits (123), Expect = 2e-07
Identities = 16/17 (94%), Positives = 16/17 (94%)

```
Query: 1    IPKARQPQGRHWAQPGY 17
            IPKARQ QGRHWAQPGY
Sbjct: 65   IPKARQTQGRHWAQPGY 81
```

□ >gi|20146986|gb|AAM09923.1| polyprotein [Hepatitis C virus]
            Length = 115

Score = 54.9 bits (122), Expect = 2e-07
Identities = 16/17 (94%), Positives = 16/17 (94%)

```
Query: 1    IPKARQPQGRHWAQPGY 17
            IPKARQP GRHWAQPGY
Sbjct: 54   IPKARQPTGRHWAQPGY 70
```

□ >gi|20146974|gb|AAM09917.1| polyprotein [Hepatitis C virus]
            Length = 115

Score = 54.9 bits (122), Expect = 2e-07
Identities = 16/17 (94%), Positives = 16/17 (94%)

```
Query: 1    IPKARQPQGRHWAQPGY 17
            IPKARQP GRHWAQPGY
Sbjct: 54   IPKARQPTGRHWAQPGY 70
```

□ >gi|20146970|gb|AAM09915.1| polyprotein [Hepatitis C virus]
            Length = 115

```
Score = 54.9 bits (122), Expect = 2e-07
Identities = 16/17 (94%), Positives = 16/17 (94%)

Query: 1   IPKARQPQGRHWAQPGY 17
           IPKARQP GRHWAQPGY
Sbjct: 54  IPKARQPTGRHWAQPGY 70
```

☐ >gi|20146968|gb|AAM09914.1| polyprotein [Hepatitis C virus]
   gi|19744438|gb|AAL96492.1| polyprotein [Hepatitis C virus]
           Length = 115

```
Score = 54.9 bits (122), Expect = 2e-07
Identities = 16/17 (94%), Positives = 16/17 (94%)

Query: 1   IPKARQPQGRHWAQPGY 17
           IPKARQP GRHWAQPGY
Sbjct: 54  IPKARQPTGRHWAQPGY 70
```

☐ >gi|22135572|gb|AAM93266.1| core protein [Hepatitis C virus]
           Length = 119

```
Score = 54.9 bits (122), Expect = 2e-07
Identities = 16/17 (94%), Positives = 16/17 (94%)

Query: 1   IPKARQPQGRHWAQPGY 17
           IPKARQP GRHWAQPGY
Sbjct: 60  IPKARQPTGRHWAQPGY 76
```

☐ >gi|22135570|gb|AAM93265.1| core protein [Hepatitis C virus]
           Length = 119

```
Score = 54.9 bits (122), Expect = 2e-07
Identities = 16/17 (94%), Positives = 16/17 (94%)

Query: 1   IPKARQPQGRHWAQPGY 17
           IPKARQP GRHWAQPGY
Sbjct: 60  IPKARQPTGRHWAQPGY 76
```

☐ >gi|19744440|gb|AAL96493.1| polyprotein [Hepatitis C virus]
           Length = 115

```
Score = 54.9 bits (122), Expect = 2e-07
Identities = 16/17 (94%), Positives = 16/17 (94%)

Query: 1   IPKARQPQGRHWAQPGY 17
           IPKARQP GRHWAQPGY
Sbjct: 54  IPKARQPTGRHWAQPGY 70
```

☐ >gi|44885956|dbj|BAD11970.1| polyprotein [Hepatitis C virus type 8a]
          Length = 117

 Score = 54.9 bits (122), Expect = 2e-07
 Identities = 16/17 (94%), Positives = 16/17 (94%)

Query: 1   IPKARQPQGRHWAQPGY 17
           IPKARQP GRHWAQPGY
Sbjct: 65 IPKARQPTGRHWAQPGY 81

☐ >gi|1669626|dbj|BAA05983.1| core protein [Hepatitis C virus]
          Length = 83

 Score = 54.9 bits (122), Expect = 2e-07
 Identities = 16/17 (94%), Positives = 16/17 (94%)

Query: 1   IPKARQPQGRHWAQPGY 17
           IPKARQP GRHWAQPGY
Sbjct: 56 IPKARQPTGRHWAQPGY 72

☐ >gi|1246377|dbj|BAA09976.1| polyprotein [Hepatitis C virus]
          Length = 191

 Score = 54.9 bits (122), Expect = 2e-07
 Identities = 16/17 (94%), Positives = 16/17 (94%)

Query: 1   IPKARQPQGRHWAQPGY 17
           IPKARQP GRHWAQPGY
Sbjct: 65 IPKARQPTGRHWAQPGY 81

☐ >gi|1246371|dbj|BAA09974.1| polyprotein [Hepatitis C virus]
          Length = 191

 Score = 54.9 bits (122), Expect = 2e-07
 Identities = 16/17 (94%), Positives = 16/17 (94%)

Query: 1   IPKARQPQGRHWAQPGY 17
           IPKARQP GRHWAQPGY
Sbjct: 65 IPKARQPTGRHWAQPGY 81

☐ >gi|1765879|dbj|BAA13621.1| core, env and part of E2/NS1 [Hepatitis C virus]
          Length = 414

 Score = 54.9 bits (122), Expect = 2e-07
 Identities = 16/17 (94%), Positives = 16/17 (94%)

Query: 1   IPKARQPQGRHWAQPGY 17
           IPKARQP GRHWAQPGY
Sbjct: 65 IPKARQPTGRHWAQPGY 81

□ >gi|1765877|dbj|BAA13620.1| core, env and part of E2/NS1 [Hepatitis C virus]
          Length = 414

 Score = 54.9 bits (122), Expect = 2e-07
 Identities = 16/17 (94%), Positives = 16/17 (94%)

Query: 1   IPKARQPQGRHWAQPGY 17
           IPKARQP GRHWAQPGY
Sbjct: 65 IPKARQPTGRHWAQPGY 81

□ >gi|1765875|dbj|BAA13619.1| core, env and part of E2/NS1 [Hepatitis C virus]
          Length = 414

 Score = 54.9 bits (122), Expect = 2e-07
 Identities = 16/17 (94%), Positives = 16/17 (94%)

Query: 1   IPKARQPQGRHWAQPGY 17
           IPKARQP GRHWAQPGY
Sbjct: 65 IPKARQPTGRHWAQPGY 81

□ >gi|50365966|gb|AAT76284.1| polyprotein [Hepatitis C virus]
          Length = 199

 Score = 53.7 bits (119), Expect = 5e-07
 Identities = 15/17 (88%), Positives = 17/17 (100%)

Query: 1   IPKARQPQGRHWAQPGY 17
           IPKARQP+GR+WAQPGY
Sbjct: 67 IPKARQPEGRNWAQPGY 83

□ >gi|3283982|gb|AAC25417.1| core protein [Hepatitis C virus]
          Length = 191

 Score = 53.7 bits (119), Expect = 5e-07
 Identities = 15/17 (88%), Positives = 17/17 (100%)

Query: 1   IPKARQPQGRHWAQPGY 17
           IPKARQP+GR+WAQPGY
Sbjct: 65 IPKARQPEGRNWAQPGY 81

□ >gi|45160566|gb|AAS55343.1| core protein [Hepatitis C virus]
          Length = 72

 Score = 53.7 bits (119), Expect = 5e-07
 Identities = 15/17 (88%), Positives = 17/17 (100%)

Query: 1   IPKARQPQGRHWAQPGY 17
           IPKARQP+GR+WAQPGY

Sbjct: 17 IPKARQPEGRNWAQPGY 33

□ >gi|44885940|dbj|BAD11962.1| polyprotein [Hepatitis C virus type 6a]
          Length = 117

 Score = 52.8 bits (117), Expect = 9e-07
 Identities = 15/17 (88%), Positives = 15/17 (88%)

Query: 1   IPKARQPQGRHWAQPGY 17
           IPK RQ QGRHWAQPGY
Sbjct: 65 IPKVRQSQGRHWAQPGY 81

□ >gi|52367249|gb|AAU45101.1| core protein [Hepatitis C virus]
          Length = 191

 Score = 51.5 bits (114), Expect = 2e-06
 Identities = 15/17 (88%), Positives = 15/17 (88%)

Query: 1   IPKARQPQGRHWAQPGY 17
           IPKARQP GRHW QPGY
Sbjct: 65 IPKARQPTGRHWGQPGY 81

□ >gi|30841356|gb|AAP34656.1| core protein [Hepatitis C virus]
          Length = 137

 Score = 51.1 bits (113), Expect = 3e-06
 Identities = 15/17 (88%), Positives = 16/17 (94%)

Query: 1   IPKARQPQGRHWAQPGY 17
           IPKARQP+GR WAQPGY
Sbjct: 32 IPKARQPEGRSWAQPGY 48

□ >gi|20146962|gb|AAM09911.1| polyprotein [Hepatitis C virus]
          Length = 118

 Score = 51.1 bits (113), Expect = 3e-06
 Identities = 15/17 (88%), Positives = 16/17 (94%)

Query: 1   IPKARQPQGRHWAQPGY 17
           IPKARQP+GR WAQPGY
Sbjct: 58 IPKARQPEGRVWAQPGY 74

□ >gi|20146956|gb|AAM09908.1| polyprotein [Hepatitis C virus]
          Length = 119

 Score = 51.1 bits (113), Expect = 3e-06
 Identities = 15/17 (88%), Positives = 16/17 (94%)

```
Query: 1    IPKARQPQGRHWAQPGY 17
            IPKARQP+GR WAQPGY
Sbjct: 59   IPKARQPEGRVWAQPGY 75
```

☐ >gi|23268513|gb|AAN16413.1| polyprotein [Hepatitis C virus]
               Length = 110

 Score = 51.1 bits (113), Expect = 3e-06
 Identities = 15/17 (88%), Positives = 16/17 (94%)

```
Query: 1    IPKARQPQGRHWAQPGY 17
            IPKARQP+GR WAQPGY
Sbjct: 48   IPKARQPEGRVWAQPGY 64
```

☐ >gi|23268511|gb|AAN16412.1| polyprotein [Hepatitis C virus]
               Length = 110

 Score = 51.1 bits (113), Expect = 3e-06
 Identities = 15/17 (88%), Positives = 16/17 (94%)

```
Query: 1    IPKARQPQGRHWAQPGY 17
            IPKARQP+GR WAQPGY
Sbjct: 48   IPKARQPEGRVWAQPGY 64
```

☐ >gi|30090044|gb|AAP21074.1| capsid protein [Hepatitis C virus]
               Length = 158

 Score = 51.1 bits (113), Expect = 3e-06
 Identities = 15/17 (88%), Positives = 16/17 (94%)

```
Query: 1    IPKARQPQGRHWAQPGY 17
            IPKARQP+GR WAQPGY
Sbjct: 64   IPKARQPEGRSWAQPGY 80
```

☐ >gi|14486879|gb|AAK63316.1| polyprotein [Hepatitis C virus]
   gi|14486809|gb|AAK63281.1| polyprotein [Hepatitis C virus]
               Length = 85

 Score = 51.1 bits (113), Expect = 3e-06
 Identities = 15/17 (88%), Positives = 16/17 (94%)

```
Query: 1    IPKARQPQGRHWAQPGY 17
            IPKARQP+GR WAQPGY
Sbjct: 54   IPKARQPEGRSWAQPGY 70
```

☐ >gi|14486815|gb|AAK63284.1| polyprotein [Hepatitis C virus]
               Length = 85

Score = 51.1 bits (113), Expect = 3e-06
Identities = 15/17 (88%), Positives = 16/17 (94%)

Query: 1   IPKARQPQGRHWAQPGY 17
           IPKARQP+GR WAQPGY
Sbjct: 54 IPKARQPEGRSWAQPGY 70

☐ >gi|20159557|gb|AAM11979.1| core protein [Hepatitis C virus]
           Length = 56

Score = 51.1 bits (113), Expect = 3e-06
Identities = 15/17 (88%), Positives = 16/17 (94%)

Query: 1   IPKARQPQGRHWAQPGY 17
           IPKARQP+GR WAQPGY
Sbjct: 12 IPKARQPEGRVWAQPGY 28

☐ >gi|46560634|gb|AAT00643.1| polyprotein [Hepatitis C virus]
           Length = 3010

Score = 51.1 bits (113), Expect = 3e-06
Identities = 15/17 (88%), Positives = 16/17 (94%)

Query: 1   IPKARQPQGRHWAQPGY 17
           IPKARQP+GR WAQPGY
Sbjct: 65 IPKARQPEGRVWAQPGY 81

☐ >gi|19879546|gb|AAL58626.1| core protein [Hepatitis C virus]
           Length = 100

Score = 51.1 bits (113), Expect = 3e-06
Identities = 15/17 (88%), Positives = 16/17 (94%)

Query: 1   IPKARQPQGRHWAQPGY 17
           IPKARQP+GR WAQPGY
Sbjct: 65 IPKARQPEGRSWAQPGY 81

☐ >gi|19879470|gb|AAL50213.1| polyprotein [Hepatitis C virus]
           Length = 1117

Score = 51.1 bits (113), Expect = 3e-06
Identities = 15/17 (88%), Positives = 16/17 (94%)

Query: 1   IPKARQPQGRHWAQPGY 17
           IPKARQP+GR WAQPGY
Sbjct: 65 IPKARQPEGRVWAQPGY 81

☐ >gi|7650256|gb|AAF65959.1| polyprotein [Hepatitis C virus]

Length = 3010

 Score = 51.1 bits (113), Expect = 3e-06
 Identities = 15/17 (88%), Positives = 16/17 (94%)

Query: 1   IPKARQPQGRHWAQPGY 17
           IPKARQP+GR WAQPGY
Sbjct: 65 IPKARQPEGRSWAQPGY 81

☐ >gi|443893|emb|CAA82603.1| unnamed protein product [Hepatitis C virus]
   gi|540836|pir||S41362   genome polyprotein - hepatitis C virus (genotype 4, N1)
           (fragment)
   gi|1581050|prf||2116349AA   core protein
           Length = 114

 Score = 51.1 bits (113), Expect = 3e-06
 Identities = 15/17 (88%), Positives = 16/17 (94%)

Query: 1   IPKARQPQGRHWAQPGY 17
           IPKARQP+GR WAQPGY
Sbjct: 65 IPKARQPEGRSWAQPGY 81

☐ >gi|27531300|dbj|BAC54262.1| poly protein [Hepatitis C virus type 1b]
           Length = 191

 Score = 51.1 bits (113), Expect = 3e-06
 Identities = 15/17 (88%), Positives = 16/17 (94%)

Query: 1   IPKARQPQGRHWAQPGY 17
           IPKARQP+GR WAQPGY
Sbjct: 65 IPKARQPEGRSWAQPGY 81

☐ >gi|21670901|dbj|BAC02460.1| polyprotein [Hepatitis C virus type 1b]
           Length = 191

 Score = 51.1 bits (113), Expect = 3e-06
 Identities = 15/17 (88%), Positives = 16/17 (94%)

Query: 1   IPKARQPQGRHWAQPGY 17
           IPKARQP+GR WAQPGY
Sbjct: 65 IPKARQPEGRVWAQPGY 81

[Get selected sequences]   [Select all]   [Deselect all]

 Database: All non-redundant GenBank CDS
 translations+PDB+SwissProt+PIR+PRF excluding environmental samples
   Posted date: Dec 16, 2004 7:30 AM
 Number of letters in database: 758,669,765

Number of sequences in database: 2,247,242

Lambda   K   H
  0.350   0.278   2.04

Gapped
Lambda   K   H
  0.294   0.110   0.610

Matrix: PAM30
Gap Penalties: Existence: 9, Extension: 1
Number of Hits to DB: 8,033,619
Number of Sequences: 2247242
Number of extensions: 139311
Number of successful extensions: 1718
Number of sequences better than 20000.0: 1711
Number of HSP's better than 20000.0 without gapping: 1711
Number of HSP's successfully gapped in prelim test: 0
Number of HSP's that attempted gapping in prelim test: 0
Number of HSP's gapped (non-prelim): 1716
length of query: 17
length of database: 758,669,765
effective HSP length: 7
effective length of query: 10
effective length of database: 742,939,071
effective search space: 7429390710
effective search space used: 7429390710
T: 11
A: 40
X1: 14 (7.1 bits)
X2: 35 (14.8 bits)
X3: 58 (24.6 bits)
S1: 37 (20.5 bits)
S2: 37 (18.9 bits)